

Figure 1 consists of 16 small plots arranged in a 4x4 grid. Each plot shows the relationship between the number of species (S) on the y-axis and the number of individuals (N) on the x-axis. The x-axis is logarithmic, ranging from 1 to 10,000. The y-axis is linear, ranging from 0 to 100. The plots are labeled with the following taxa: *Phylum*, *Class*, *Order*, *Family*, *Genus*, and *Species*. The top row shows the relationship for the total number of species (S), while the bottom three rows show the relationship for different taxonomic levels. The plots show a general trend of increasing species richness with increasing individual count, with some taxa showing a more rapid increase than others.

## **Abstract**

A gas scrubber including a burning chamber to treat the gas with heat, a wetting chamber connected to the burning chamber which removes water soluble components contained in the gas flowing in from the burning chamber, and an outlet which exhausts the gas that has been treated. An insulation member is placed in a space between an outer wall and an inner wall of the burning chamber to prevent release of heat. A water supply pipe is placed between the inner wall and the insulation member. One end of the water supply pipe is an inlet in which water flows in and the other end is connected to the air supply pipe. Water that has turned into steam is led to the air supply pipe connected to the water supply pipe and released into the inside of the burning chamber along with air by the air supply pipe.